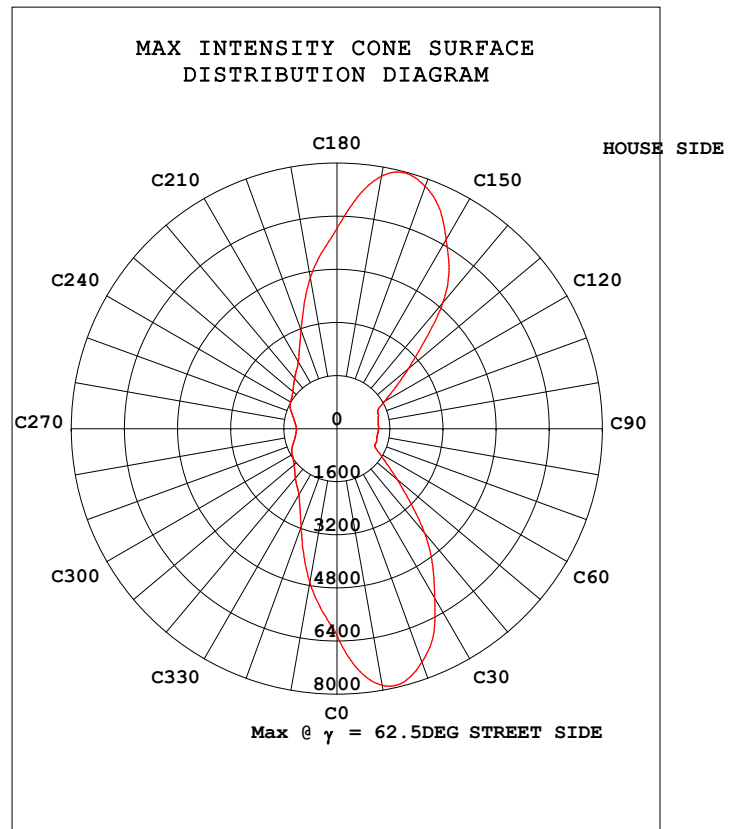
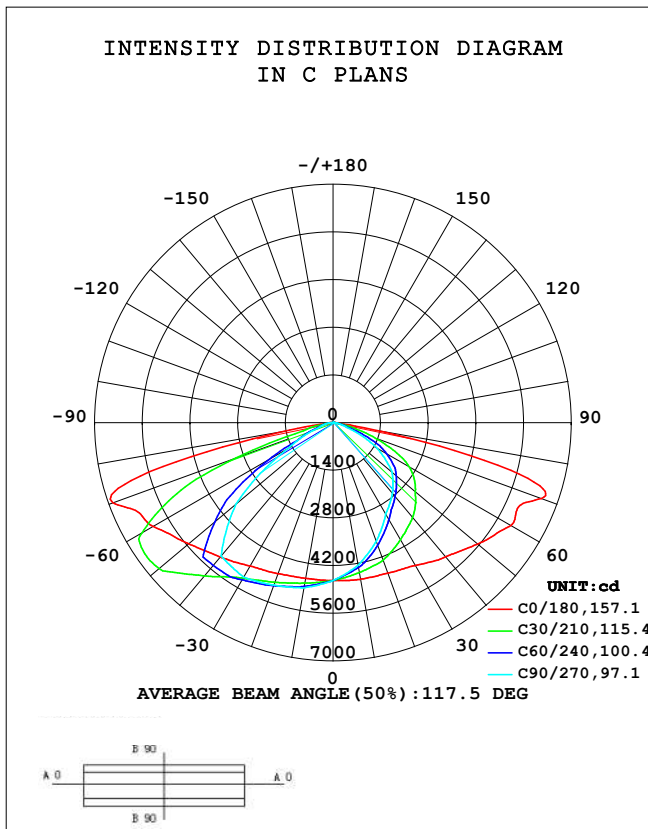


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.5651A P:122.2W PF:0.9792 Lamp Flux:18054.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.76 lm/W			
MODEL	LED	Imax (cd)	7975	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	50.3
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	18055	η house_up (%)	0.0
NOMINAL FLUX (lm)	18054.8	MAXIMUM @ (C, γ)	165,62.5	η house_down (%)	49.7
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	21.615



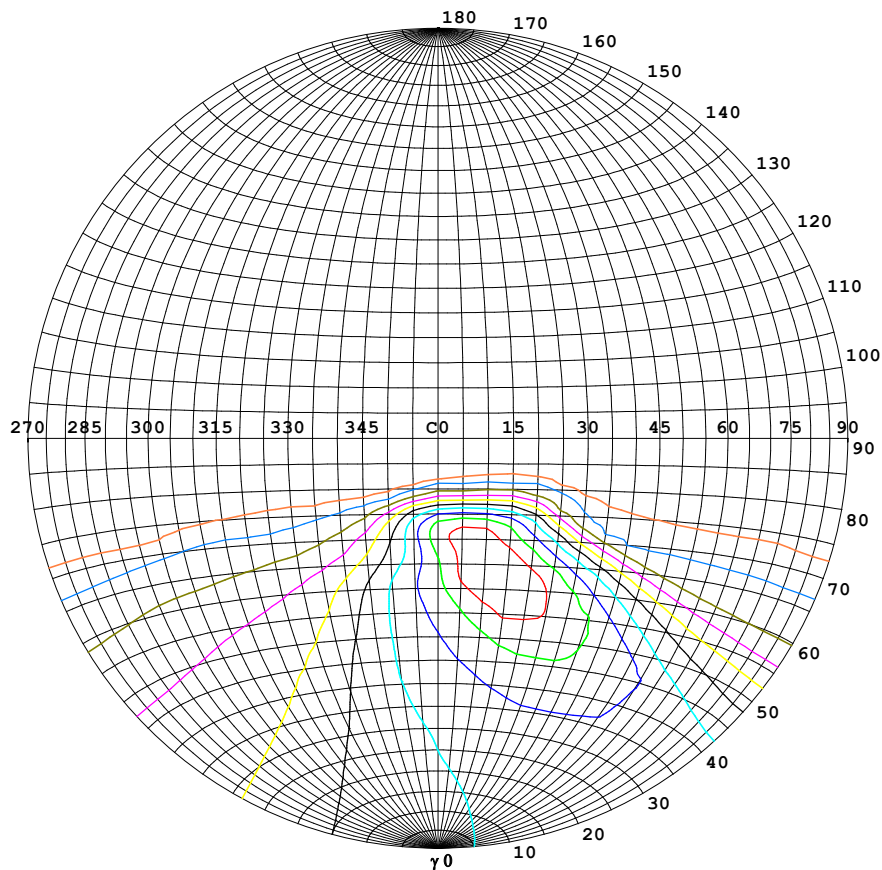
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.5651A P:122.2W PF:0.9792 Lamp Flux:18054.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



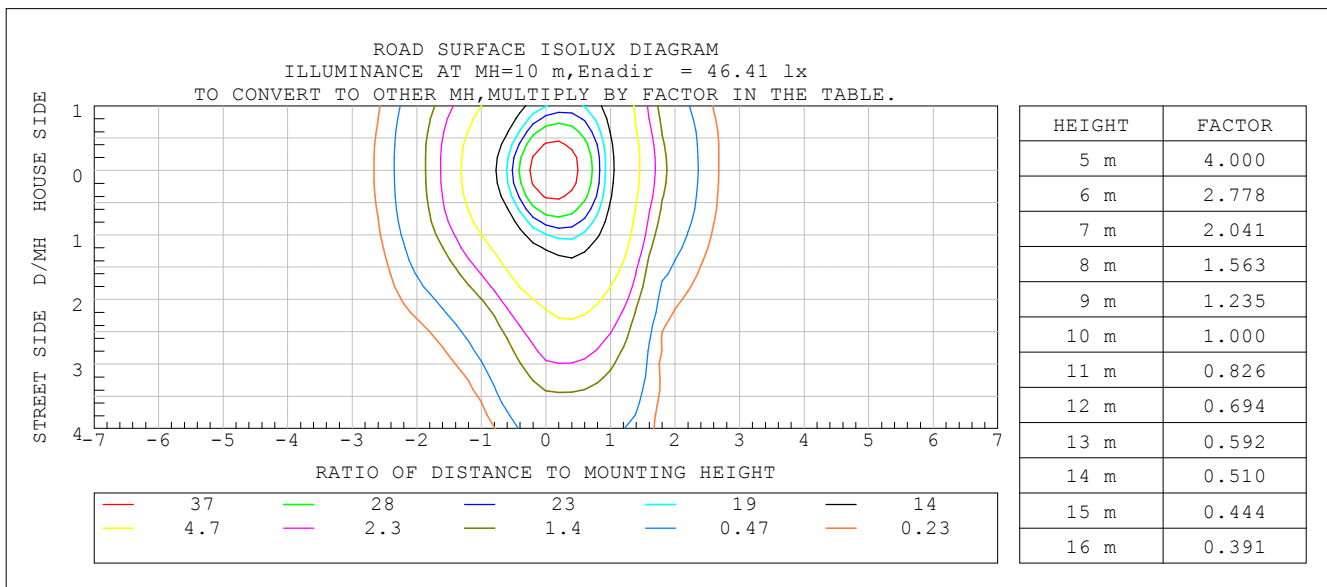
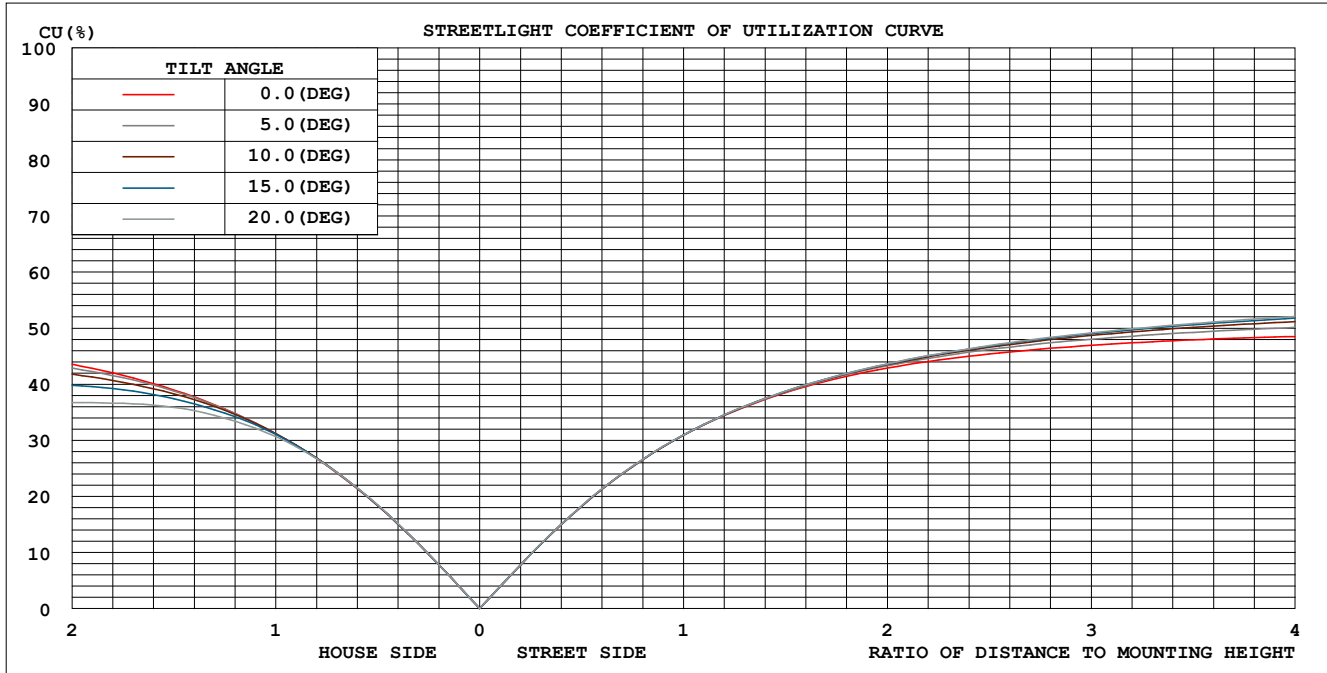
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:111.9cd/klm
Max.At90:3.979cd/klm
Max.80-90:111.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7975
90%	7177
80%	6380
70%	5582
60%	4785
50%	3987
40%	3190
30%	2392
20%	1595
10%	797
5%	399

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.5651A P:122.2W PF:0.9792 Lamp Flux:18054.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

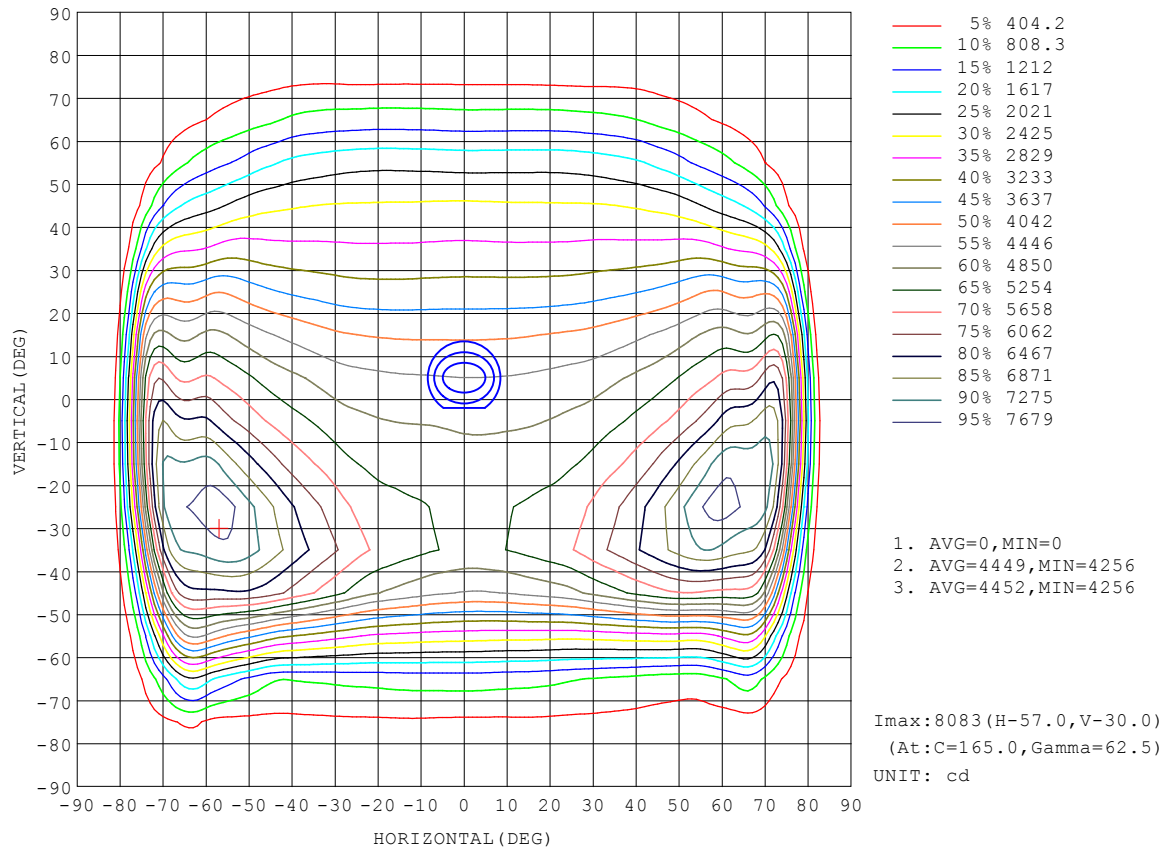
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	4638	4737	4782	4755	4656	4512	4448	4504	0- 5	110.7	110.7	0.61,0.61
10	4645	4843	4924	4884	4672	4386	4256	4381	5- 10	330.9	441.6	2.45,2.45
15	4670	4953	5001	4998	4680	4242	3983	4253	10- 15	546.8	988.5	5.47,5.47
20	4720	5055	5078	5088	4707	4022	3711	4054	15- 20	754.3	1743	9.65,9.65
25	4786	5182	5161	5196	4758	3782	3406	3833	20- 25	952.8	2696	14.9,14.9
30	4865	5318	5244	5340	4842	3544	3100	3600	25- 30	1141	3837	21.2,21.2
35	5005	5521	5181	5575	4999	3307	2908	3354	30- 35	1323	5160	28.6,28.6
40	5155	5778	5118	5870	5151	3066	2716	3106	35- 40	1501	6661	36.9,36.9
45	5319	5928	4418	6076	5320	2886	2494	2915	40- 45	1658	8319	46.1,46.1
50	5536	5984	3718	6211	5548	2670	2271	2685	45- 50	1765	10084	55.9,55.9
55	5777	5121	2617	5618	5771	2413	1876	2409	50- 55	1810	11893	65.9,65.9
60	6105	4053	1517	4788	6037	2097	1480	2071	55- 60	1754	13647	75.6,75.6
65	6281	2105	991.8	2593	5975	1599	966.9	1525	60- 65	1573	15221	84.3,84.3
70	6887	747.3	466.9	1001	6516	1032	453.9	940.3	65- 70	1273	16493	91.4,91.4
75	5578	404.7	331.7	465.0	5413	462.5	277.0	407.8	70- 75	953.1	17446	96.6,96.6
80	1294	247.5	196.5	275.9	1201	223.5	100.1	193.0	75- 80	481.4	17928	99.3,99.3
85	129.2	69.97	0	79.22	100.5	45.98	0	38.71	80- 85	113.0	18041	99.9,99.9
90	71.84	0	0	0	61.65	0	0	0	85- 90	14.12	18055	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

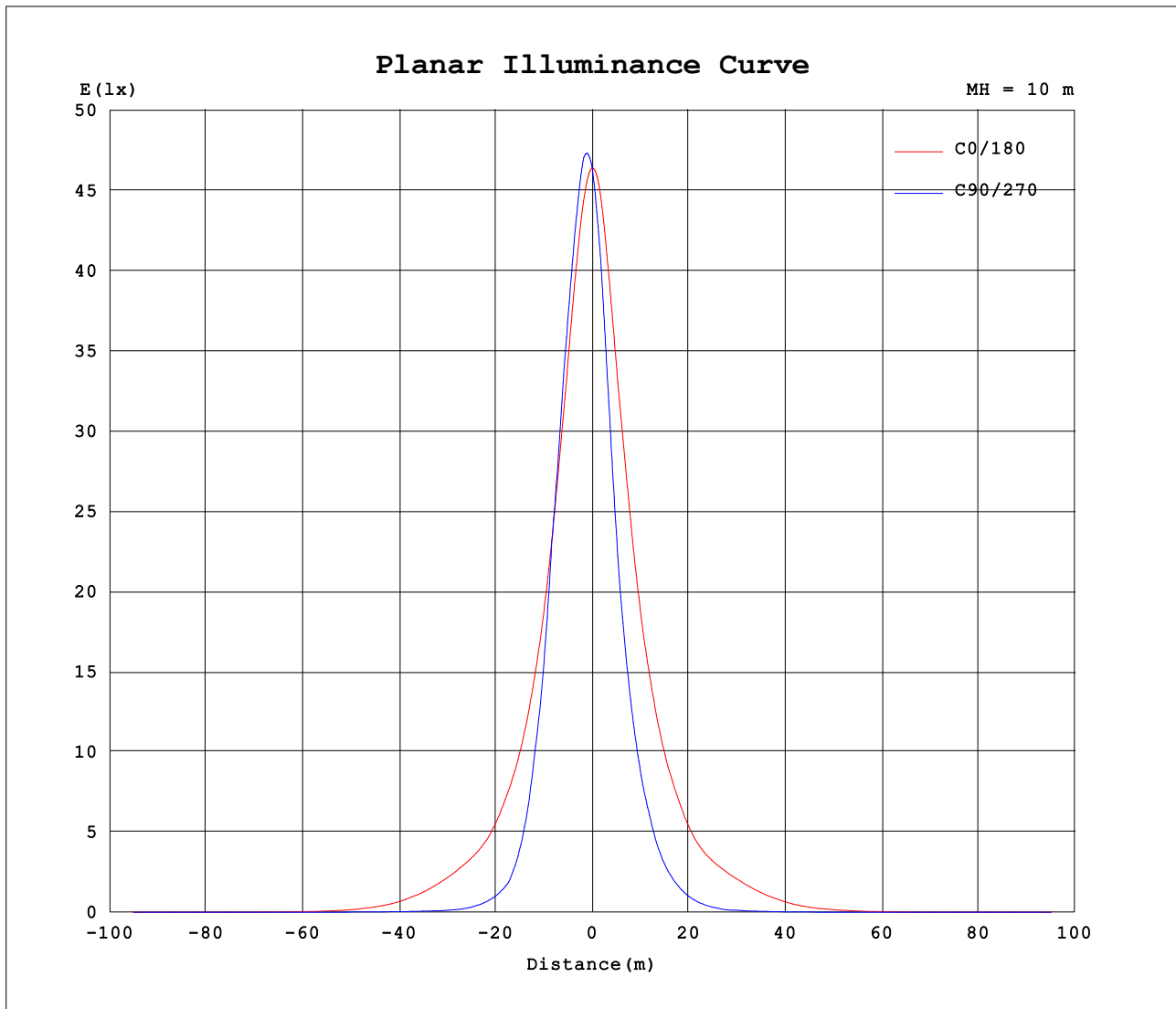
Test:U:220.8V I:0.5651A P:122.2W PF:0.9792 Lamp Flux:18054.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



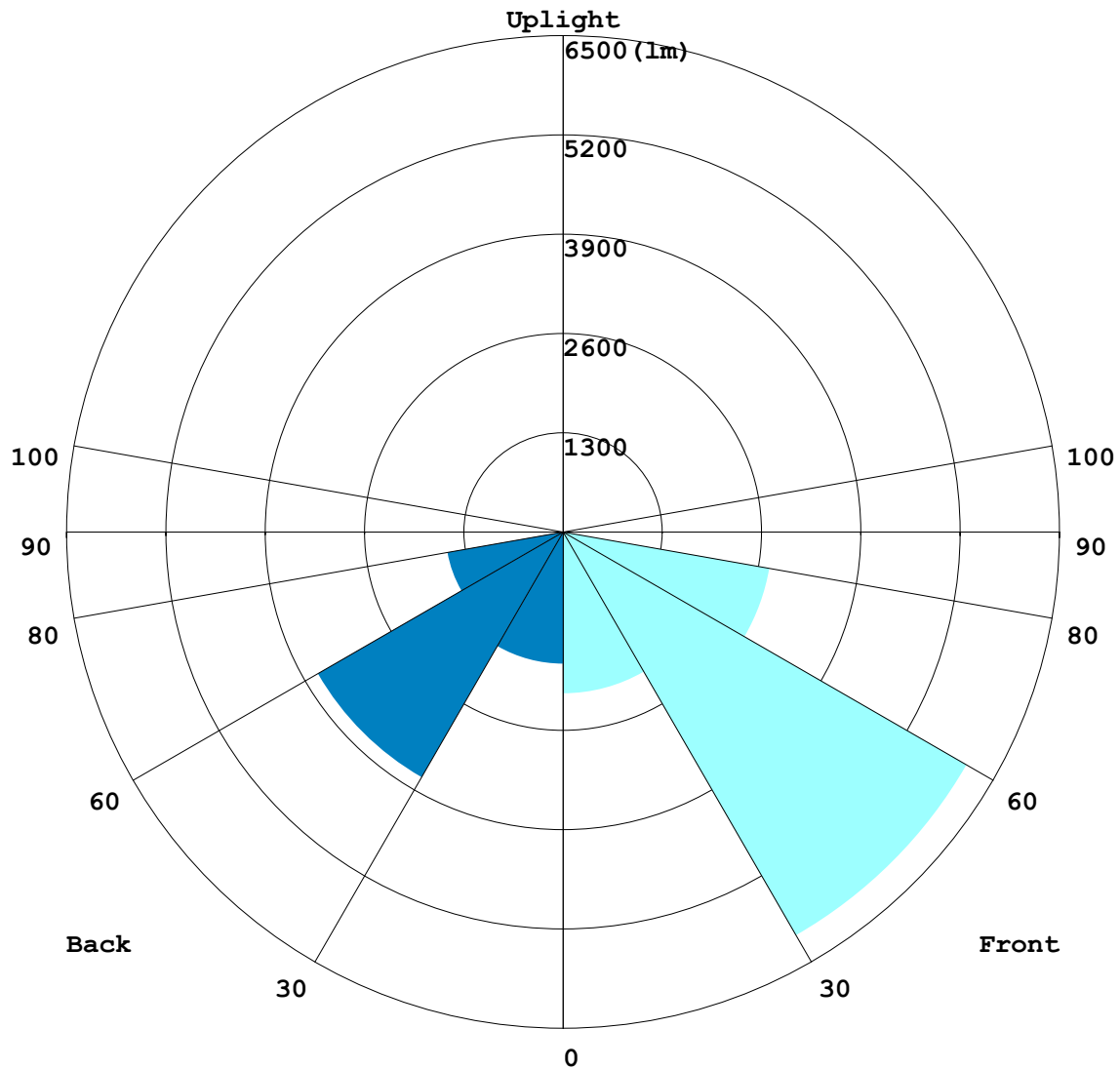
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.5651A P:122.2W PF:0.9792 Lamp Flux:18054.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.5651A P:122.2W PF:0.9792 Lamp Flux:18054.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2113.5	11.7
FM - Front-Medium(30-60)	6101.3	33.8
FH - Front-High(60-80)	2742.6	15.2
FVH - Front-Very High(80-90)	88.367	0.5
Total Forward Light	11046	61.2

BL - Back-Low(0-30)	1723.1	9.5
BM - Back-Medium(30-60)	3709.4	20.5
BH - Back-High(60-80)	1537.8	8.5
BVH - Back-Very High(80-90)	38.714	0.2
Total Back Light	7009	38.8

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7009	0	7009
Street Side	11046	0	11046

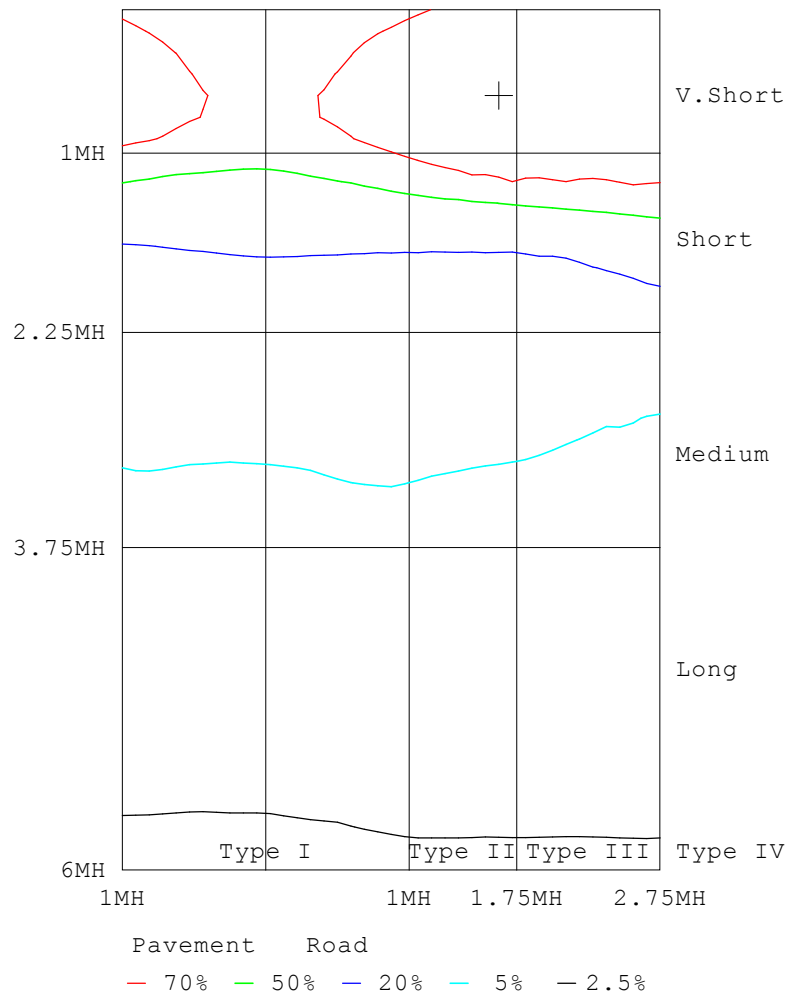
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.5651A P:122.2W PF:0.9792 Lamp Flux:18054.8x1 lm		
NAME: OPCITYIII-120W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```